Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptabac1774

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS	3	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS	4	OCT 07	Multiple databases enhanced for more flexible patent number searching
NEWS	5	OCT 22	Current-awareness alert (SDI) setup and editing enhanced
NEWS	6	OCT 22	WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT Applications
NEWS	7	OCT 24	CHEMLIST enhanced with intermediate list of pre-registered REACH substances
NEWS	8	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	9	NOV 26	MARPAT enhanced with FSORT command
NEWS	10	NOV 26	MEDLINE year-end processing temporarily halts availability of new fully-indexed citations
NEWS	11	NOV 26	CHEMSAFE now available on STN Easy
NEWS	12	NOV 26	Two new SET commands increase convenience of STN searching
NEWS	13	DEC 01	ChemPort single article sales feature unavailable
NEWS	14	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS	15	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS	16	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:20:06 ON 06 JAN 2009

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL

```
                                                    ENTRY    SESSION
FULL ESTIMATED COST                                  0.22       0.22

FILE 'REGISTRY' ENTERED AT 13:20:14 ON 06 JAN 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    5 JAN 2009  HIGHEST RN 1092651-12-1
DICTIONARY FILE UPDATES:   5 JAN 2009  HIGHEST RN 1092651-12-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10525198_amine.str

L1      STRUCTURE UPLOADED

=>
Uploading C:\Program Files\Stnexp\Queries\10525198_spirofluorene.str

L2      STRUCTURE UPLOADED

=>
Uploading C:\Program Files\Stnexp\Queries\10525198_difluorene2.str

L3      STRUCTURE UPLOADED

=>
Uploading C:\Program Files\Stnexp\Queries\10525198_difluorene3.str

L4      STRUCTURE UPLOADED

=> s l1 sss ful
FULL SEARCH INITIATED 13:22:14
FULL SCREEN SEARCH COMPLETED -    58897 TO ITERATE

100.0% PROCESSED    58897 ITERATIONS                          144 ANSWERS
SEARCH TIME: 00.00.01

L5          144 SEA SSS FUL L1

=> s l2 sss ful
FULL SEARCH INITIATED 13:22:22
FULL SCREEN SEARCH COMPLETED -    24939 TO ITERATE

100.0% PROCESSED    24939 ITERATIONS                         2092 ANSWERS
SEARCH TIME: 00.00.01

L6         2092 SEA SSS FUL L2
```

```
=> s l3 sss ful
FULL SEARCH INITIATED 13:22:28
FULL SCREEN SEARCH COMPLETED -    467534 TO ITERATE

100.0% PROCESSED    467534 ITERATIONS                          3224 ANSWERS
SEARCH TIME: 00.00.11

L7          3224 SEA SSS FUL L3

=> polylink l7


L8          3345 POLYLINK L7

=> s l4 sss ful
FULL SEARCH INITIATED 13:23:01
FULL SCREEN SEARCH COMPLETED -    467534 TO ITERATE

100.0% PROCESSED    467534 ITERATIONS                            97 ANSWERS
SEARCH TIME: 00.00.10

L9            97 SEA SSS FUL L4

=> polyline l9
POLYLINE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> polylink l9


L10           97 POLYLINK L9

=> dis his

     (FILE 'HOME' ENTERED AT 13:20:06 ON 06 JAN 2009)

     FILE 'REGISTRY' ENTERED AT 13:20:14 ON 06 JAN 2009
L1               STRUCTURE UPLOADED
L2               STRUCTURE UPLOADED
L3               STRUCTURE UPLOADED
L4               STRUCTURE UPLOADED
L5            144 S L1 SSS FUL
L6           2092 S L2 SSS FUL
L7           3224 S L3 SSS FUL
L8           3345 POLYLINK L7
L9             97 S L4 SSS FUL
L10            97 POLYLINK L9

=> file hcaplus uspatfull
COST IN U.S. DOLLARS                          SINCE FILE       TOTAL
                                                 ENTRY     SESSION
FULL ESTIMATED COST                             809.33      809.55

FILE 'HCAPLUS' ENTERED AT 13:23:50 ON 06 JAN 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 13:23:50 ON 06 JAN 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l5 and l6
```

```
FILE 'HCAPLUS'
            79 L5
           915 L6
L11          4 L5 AND L6

FILE 'USPATFULL'
            44 L5
           308 L6
L12          6 L5 AND L6

TOTAL FOR ALL FILES
L13         10 L5 AND L6

=> s l5 and l8
FILE 'HCAPLUS'
            79 L5
           754 L8
L14          8 L5 AND L8

FILE 'USPATFULL'
            44 L5
           139 L8
L15         10 L5 AND L8

TOTAL FOR ALL FILES
L16         18 L5 AND L8

=> s l5 and l10
FILE 'HCAPLUS'
            79 L5
            49 L10
L17          0 L5 AND L10

FILE 'USPATFULL'
            44 L5
            12 L10
L18          0 L5 AND L10

TOTAL FOR ALL FILES
L19          0 L5 AND L10

=> dup remove l13
PROCESSING COMPLETED FOR L13
L20         10 DUP REMOVE L13 (0 DUPLICATES REMOVED)
               ANSWERS '1-4' FROM FILE HCAPLUS
               ANSWERS '5-10' FROM FILE USPATFULL

=> dup remove l16
PROCESSING COMPLETED FOR L16
L21         17 DUP REMOVE L16 (1 DUPLICATE REMOVED)
               ANSWERS '1-8' FROM FILE HCAPLUS
               ANSWERS '9-17' FROM FILE USPATFULL

=> dis l20 1-4 bib ab hit

L20  ANSWER 1 OF 10  HCAPLUS  COPYRIGHT 2009 ACS on STN
AN   2008:585481  HCAPLUS
DN   148:526394
TI   Organic EL material-containing solution, method for synthesizing organic
     EL material, compound synthesized by the synthesizing method, method for
     forming thin film of organic EL material, thin film of organic EL
     material, and organic EL device
IN   Kubota, Mineyuki; Ito, Mitsunori; Inoue, Tetsuya
PA   Idemitsu Kosan Co., Ltd., Japan
SO   PCT Int. Appl., 44pp.
```

CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2008056652	A1	20080515	WO 2007-JP71530	20071106
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 20080118776	A1	20080522	US 2007-936397	20071107
PRAI JP 2006-304629	A	20061109		

AB Disclosed is an organic electroluminescent (EL) material-containing solution, which contains an organic EL material and a solvent. The organic EL material contains a host and a dopant, and the host has an organic EL functional moiety composed of a low mol. weight organic EL material, and a solubilization moiety which is joined to the organic EL functional moiety for solubilizing the low mol. weight organic EL material into the solvent. The solubilization moiety is a mol. chain formed by polymerization of a base unit, and the host is an oligomer.

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 108-88-3, Toluene, uses 693289-38-2
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(organic electroluminescent material-containing solution for forming thin film of organic electroluminescent device)

IT 911390-78-8 1022160-24-2 1022160-26-4 1022160-28-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(organic electroluminescent material-containing solution for forming thin film of organic electroluminescent device)

IT 1022160-25-3P 1022160-27-5P 1022160-29-7P
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(organic electroluminescent material-containing solution for forming thin film of organic electroluminescent device)

L20 ANSWER 2 OF 10 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2006:463243 HCAPLUS
DN 144:479288
TI Organic electroluminescent element
IN Funahashi, Masakazu; Ito, Mitsunori; Kawamura, Hisayuki
PA Idemitsu Kosan Co., Ltd., Japan
SO PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006051649	A1	20060518	WO 2005-JP16749	20050912

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

	JP 2006140235	A	20060601	JP 2004-327019	20041110
	EP 1811585	A1	20070725	EP 2005-782401	20050912
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	CN 101057348	A	20071017	CN 2005-80038089	20050912
	US 20060110623	A1	20060525	US 2005-269661	20051109
	KR 2007084110	A	20070824	KR 2007-710523	20070509
	IN 2007CN02009	A	20070907	IN 2007-CN2009	20070510
PRAI	JP 2004-327019	A	20041110		
	WO 2005-JP16749	W	20050912		

OS MARPAT 144:479288

AB An organic electroluminescent element which has excellent heat resistance, a long life, and a high luminescent efficiency and can emit a blue to red light. The organic electroluminescent element comprises a cathode, an anode, and an organic thin film sandwiched there-between which comprises one or more layers at least including a luminescent layer, the luminescent layer comprising a fluorene compound having a specific structure and an amine compound having a specific structure.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 607739-80-0 607739-82-2 872705-53-8 872705-55-0 886456-80-0
886456-81-1 886456-82-2, 1,2':7',1''-Terpyrene 886456-89-9
RL: DEV (Device component use); USES (Uses)
(organic electroluminescent devices having excellent heat resistance)

IT 177799-15-4 279672-22-9 462631-35-2 494834-20-7
693289-38-2 886456-83-3 886456-84-4 886456-85-5
886456-88-8
RL: MOA (Modifier or additive use); USES (Uses)
(organic electroluminescent devices having excellent heat resistance)

L20 ANSWER 3 OF 10 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:182957 HCAPLUS
DN 140:243296
TI Organic electroluminescent devices and organic luminescent medium
IN Matsuura, Masahide; Funahashi, Masakazu; Fukuoka, Kenichi; Hosokawa, Chishio
PA Idemitsu Kosan Co., Ltd., Japan
SO PCT Int. Appl., 77 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004018588	A1	20040304	WO 2003-JP8463	20030703
	W: CN, JP, KR				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
	EP 1541657	A1	20050615	EP 2003-738656	20030703
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
	CN 1842234	A	20061004	CN 2006-10067808	20030703
	CN 101068041	A	20071107	CN 2007-10101150	20030703

	TW 278248	B	20070401	TW 2003-92118623	20030708
	US 20050064233	A1	20050324	US 2003-617397	20030711
	US 20060033421	A1	20060216	US 2005-207933	20050822
	US 20070237984	A1	20071011	US 2007-761437	20070612
	JP 2008205491	A	20080904	JP 2008-75542	20080324
	JP 2008291263	A	20081204	JP 2008-159055	20080618
PRAI	JP 2002-211308	A	20020719		
	CN 2003-817301	A3	20030703		
	JP 2004-530527	A3	20030703		
	WO 2003-JP8463	W	20030703		
	US 2003-617397	A3	20030711		
	US 2005-207933	A1	20050822		

OS MARPAT 140:243296

AB An organic electroluminescent device comprises a pair of electrodes and an organic luminescent medium layer which is placed between the electrodes and contains (A) a specific arylamine and (B) at least one compound selected from among specific anthracene derivs., spiro fluorene derivs., fused-ring compds., and metal complexes; and an organic luminescent medium containing the components (A) and (B). The organic electroluminescent device exhibits high color purity, excellent heat resistance and a long lifetime and emits blue to yellow light at high efficiency, and the organic luminescent medium is suitable for use in such devices.

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 76656-53-6 122648-99-1 131625-67-7 171408-93-8 172285-79-9
172285-83-5 220721-68-6 244281-01-4 279672-22-9
349666-25-7 400606-81-7 475461-15-5 668019-24-7 668019-64-5
668019-76-9 668019-96-3 668020-07-3 668020-14-2
668020-20-0 668020-26-6 668020-28-8 668020-34-6 668020-39-1
668020-46-0 668020-53-9 668020-61-9 668020-67-5 668020-74-4
668020-81-3 668020-88-0
RL: DEV (Device component use); USES (Uses)
(organic electroluminescent devices and organic luminescent medium)

L20 ANSWER 4 OF 10 HCAPLUS COPYRIGHT 2009 ACS on STN

AN 2003:317922 HCAPLUS

DN 138:347368

TI High electron-mobility and high ON/OFF-current-ratio organic thin-film transistors

IN Higashiguchi, Itaru; Oda, Atsushi; Ishikawa, Hitoshi

PA NEC Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 77 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003124472	A	20030425	JP 2001-320342	20011018
	JP 3823312	B2	20060920		
	US 6747287	B1	20040608	US 2002-272962	20021017
	CN 1412864	A	20030423	CN 2002-147242	20021018
	CN 1230925	C	20051207		
PRAI	JP 2001-320342	A	20011018		

AB The title organic TFTs contain X[NAr1Ar2]n {Ar1, Ar2 = C6-20 (substd.) aromatic hydrocarbon or aromatic heterocyclic group, wherein Ar1 and Ar2 may bonded together to form a ring each other; X = 1-4 valent (substd.) C6-34 condensed aromatic hydrocarbon group compound}. The organic compds. give TFTs high electron mobility and high ON/OFF-current-ratio.

IT 148077-52-5 177799-16-5 178562-07-7 227010-23-3 243847-56-5
252646-51-8 259220-14-9 278174-16-6 345658-49-3 345658-55-1
384343-74-2 384343-78-6 394656-41-8 426218-15-7 426218-23-7
426218-25-9 426218-28-2 426218-33-9 426218-35-1 515832-99-2
515833-00-8 515833-01-9 515833-02-0 515833-03-1 515833-04-2
515833-05-3 515833-06-4 515833-07-5 515833-08-6 515833-09-7

515833-10-0 515833-11-1 515833-12-2 515833-13-3
515833-14-4 515833-15-5 515833-16-6 515833-17-7 515833-18-8
515833-19-9 515833-20-2 515833-21-3 515833-22-4 515833-23-5
515833-24-6 515833-25-7 515833-26-8 515833-27-9
515833-28-0 515833-29-1 515833-30-4 515833-31-5 515833-32-6
515833-33-7 515833-34-8 515833-35-9 515833-36-0 515833-37-1
515833-38-2 515833-39-3 515833-40-6 515833-41-7
515833-42-8 515833-43-9 515833-44-0 515833-45-1 515833-46-2
515833-47-3 515833-48-4 515833-49-5 515833-50-8 515833-51-9
515833-52-0 515833-53-1 515833-54-2 515833-55-3 515833-56-4
515833-57-5 515833-58-6 515833-59-7 515833-60-0
515833-61-1 515833-62-2 515833-63-3 515833-64-4 515833-65-5
515833-66-6 515833-67-7 515833-68-8 515833-69-9 515833-70-2
515833-71-3 515833-72-4 515833-73-5 515833-74-6 515833-75-7
515833-76-8 515833-77-9 515833-78-0 515833-79-1
515833-80-4 515833-81-5 515833-82-6 515833-83-7 515833-84-8
515833-85-9 515833-86-0 515833-87-1 515833-88-2 515833-89-3
515833-90-6 515833-91-7 515833-92-8 515833-93-9
515833-94-0 515833-95-1 515833-96-2 515833-97-3
515833-98-4 515833-99-5 515834-00-1 515834-01-2 515834-02-3
515834-03-4 515834-04-5 515834-05-6 515834-06-7 515834-07-8
515834-08-9 515834-09-0 515834-10-3 515834-11-4
515834-12-5 515834-13-6 515834-14-7 515834-15-8 515834-16-9
515834-17-0 515834-18-1 515834-19-2 515834-20-5
515834-21-6 515834-22-7 515834-23-8 515834-24-9 515834-25-0
515834-26-1 515834-27-2 515834-28-3 515834-29-4 515834-30-7
515834-31-8 515834-32-9 515834-33-0 515834-34-1
515834-35-2 515834-36-3 515834-37-4 515834-38-5
515834-39-6 515834-40-9 515834-41-0 515834-42-1
515834-43-2 515834-44-3 515834-45-4 515834-46-5 515834-47-6
515834-49-8 515834-51-2 515834-53-4 515834-55-6
515834-57-8 515834-59-0 515834-61-4 515834-63-6
515834-65-8 515834-67-0 515834-70-5 515834-72-7
515834-73-8 515834-75-0 515834-79-4
515834-81-8 515834-82-9 515834-83-0 515834-84-1
RL: DEV (Device component use); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(high electron-mobility and high ON/OFF-current-ratio organic aromatic-heterocyclic compound thin-film transistors)

=> dis l20 5-10 bib ab

L20 ANSWER 5 OF 10 USPATFULL on STN
AN 2008:136707 USPATFULL
TI ORGANIC-ELECTROLUMINESCENCE-MATERIAL-CONTAINING SOLUTION, METHOD FOR SYNTHESIZING ORGANIC ELECTROLUMINESCENCE MATERIAL, COMPOUND SYNTHESIZED BY THE METHOD, THIN FILM OF ORGANIC ELECTROLUMINESCENCE MATERIAL AND ORGANIC ELECTROLUMINESCENCE DEVICE
IN KUBOTA, Mineyuki, Sodegaura-shi, JAPAN
Ito, Mitsunori, Sodegaura-shi, JAPAN
Inoue, Tetsuya, Sodegaura-shi, JAPAN
PA IDEMITSU KOSAN CO., LTD., Chiyoda-ku, JAPAN (non-U.S. corporation)
PI US 20080118776 A1 20080522
AI US 2007-936397 A1 20071107 (11)
PRAI JP 2006-304629 20061109
DT Utility
FS APPLICATION
LREP OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1531
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An organic electroluminescent material-containing solution contains an organic electroluminescent material and a solvent. The organic electroluminescent material contains a host and a dopant. The host includes: an organic electroluminescence-functional portion formed of a low-molecular organic electroluminescent material; and a soluble portion bonded to the organic electroluminescence-functional portion so as to solubilize the low-molecular organic electroluminescent material in the solvent. The soluble portion is a molecular chain formed by polymerizing basic units and the host is an oligomer.

L20 ANSWER 6 OF 10 USPATFULL on STN
AN 2007:271758 USPATFULL
TI ORGANIC ELECTROLUMINESCENCE DEVICE AND ORGANIC LIGHT EMITTING MEDIUM
IN MATSUURA, Masahide, Sodegaura-shi, JAPAN
Funahashi, Masakazu, Sodegaura-shi, JAPAN
Fukuoka, Kenichi, Sodegaura-shi, JAPAN
Hosokawa, Chishio, Sodegaura-shi, JAPAN
PA Idemitsu Kosan Co., Ltd., Chiyoda-ku, JAPAN (non-U.S. corporation)
PI US 20070237984 A1 20071011
AI US 2007-761437 A1 20070612 (11)
RLI Continuation of Ser. No. US 2005-207933, filed on 22 Aug 2005, PENDING
Division of Ser. No. US 2003-617397, filed on 11 Jul 2003, PENDING
PRAI JP 2002-211308 20020719
DT Utility
FS APPLICATION
LREP OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1533
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An organic electroluminescence device having a layer of an organic light emitting medium which comprises (A) a specific arylamine compound and (B) at least one compound selected from specific anthracene derivatives, spirofluorene derivatives, compounds having condensed rings and metal complex compounds and is disposed between a pair of electrodes and an organic light emitting medium comprising the above components (A) and (B) are provided. The organic electroluminescence device exhibits a high purity of color, has excellent heat resistance and a long life and efficiently emits bluish to yellowish light. The organic light emitting medium can be advantageously used for the organic electroluminescence device.

L20 ANSWER 7 OF 10 USPATFULL on STN
AN 2006:130985 USPATFULL
TI Organic electroluminescence devices
IN Funahashi, Masakazu, Chiba, JAPAN
Ito, Mitsunori, Chiba, JAPAN
Kawamura, Hisayuki, Chiba, JAPAN
PA Idemitsu Kosan Co., LTD., Chiyoda-ku, JAPAN (non-U.S. corporation)
PI US 20060110623 A1 20060525
AI US 2005-269661 A1 20051109 (11)
PRAI JP 2004-327019 20041110
DT Utility
FS APPLICATION
LREP STEPTOE & JOHNSON LLP, 1330 CONNECTICUT AVENUE, N.W., WASHINGTON, DC, 20036, US
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1644
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An organic electro-luminescent device exhibiting an excellent heat resistance, a long serving life and a great efficiency of light emission

and producing a light emission ranging from a blue light to a red light. The organic electroluminescent device comprising one or more thin-film layers which contain at least a light emitting layer and are interposed between a cathode and an anode, wherein the light emitting layer contains an amine compound represented by any of the following general formula (A) and a fluorene-based compound represented by any of the following general formula (B).

L20 ANSWER 8 OF 10 USPATFULL on STN
AN 2006:38775 USPATFULL
TI Organic electroluminescence device and organic light emitting medium
IN Matsuura, Masahide, Chiba, JAPAN
Funahashi, Masakazu, Chiba, JAPAN
Fukuoka, Kenichi, Chiba, JAPAN
Hosokawa, Chishio, Chiba, JAPAN
PA Idemitsu Kosan Co., Ltd., Tokyo, JAPAN (non-U.S. corporation)
PI US 20060033421 A1 20060216
AI US 2005-207933 A1 20050822 (11)
RLI Division of Ser. No. US 2003-617397, filed on 11 Jul 2003, PENDING
PRAI JP 2002-211308 20020719
DT Utility
FS APPLICATION
LREP OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1381
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An organic electroluminescence device having a layer of an organic light emitting medium which comprises (A) a specific arylamine compound and (B) at least one compound selected from specific anthracene derivatives, spirofluorene derivatives, compounds having condensed rings and metal complex compounds and is disposed between a pair of electrodes and an organic light emitting medium comprising the above components (A) and (B) are provided. The organic electroluminescence device exhibits a high purity of color, has excellent heat resistance and a long life and efficiently emits bluish to yellowish light. The organic light emitting medium can be advantageously used for the organic electroluminescence device.

L20 ANSWER 9 OF 10 USPATFULL on STN
AN 2005:74938 USPATFULL
TI Organic electroluminescence device and organic light emitting medium
IN Matsuura, Masahide, Chiba, JAPAN
Funahashi, Masakazu, Chiba, JAPAN
Fukuoka, Kenichi, Chiba, JAPAN
Hosokawa, Chishio, Chiba, JAPAN
PA Idemitsu Kosan Co., Ltd., Tokyo, JAPAN (non-U.S. corporation)
PI US 20050064233 A1 20050324
AI US 2003-617397 A1 20030711 (10)
PRAI JP 2002-211308 20020719
DT Utility
FS APPLICATION
LREP OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1476
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An organic electroluminescence device having a layer of an organic light emitting medium which comprises (A) a specific arylamine compound and (B) at least one compound selected from specific anthracene derivatives, spirofluorene derivatives, compounds having condensed rings and metal

complex compounds and is disposed between a pair of electrodes and an organic light emitting medium comprising the above components (A) and (B) are provided. The organic electroluminescence device exhibits a high purity of color, has excellent heat resistance and a long life and efficiently emits bluish to yellowish light. The organic light emitting medium can be advantageously used for the organic electroluminescence device.

L20 ANSWER 10 OF 10 USPATFULL on STN
AN 2004:141258 USPATFULL
TI Organic thin film transistor
IN Toguchi, Satoru, Tokyo, JAPAN
Oda, Atsushi, Tokyo, JAPAN
Ishikawa, Hitoshi, Tokyo, JAPAN
PA NEC Corporation, Tokyo, JAPAN (non-U.S. corporation)
PI US 6747287 B1 20040608
AI US 2002-272962 20021017 (10)
PRAI JP 2001-320342 20011018
DT Utility
FS GRANTED
EXNAM Primary Examiner: Niebling, John F.; Assistant Examiner: Isaac, Stanetta
LREP Scully, Scott, Murphy & Presser
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 1681
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An organic thin film transistor includes: an organic thin film which includes a compound represented by the following general formula [A]:

X--[--N Ar.sup.1Ar.sup.2].sub.n [A]

where each of Ar.sup.1 and Ar.sup.2 is selected independently from unsubstituted or substituted aromatic hydrocarbon groups having 6 to 20 carbon atoms and from unsubstituted or substituted aromatic heterocyclic groups having 6 to 20 carbon atoms; and X is selected from unsubstituted or substituted condensed aromatic hydrocarbon groups having 6 to 34 carbon atoms, and the condensed aromatic hydrocarbon groups are monovalent, divalent, trivalent or tetravalent groups; and n is the natural number in the range of 1-4.

=> d l21 1-8 bib ab hit

L21 ANSWER 1 OF 17 HCAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 1
AN 2008:1307399 HCAPLUS
DN 149:502285
TI Blue-emitting organic electroluminescent devices
IN Okinaka, Keiji; Yashima, Masataka; Saitoh, Akihito; Yamada, Naoki
PA Canon Kabushiki Kaisha, Japan
SO U.S. Pat. Appl. Publ., 18pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20080268285	A1	20081030	US 2008-103162	20080415
	JP 2008294404	A	20081204	JP 2008-65788	20080314
PRAI	JP 2007-118405	A	20070427		
	JP 2008-65788	A	20080314		

AB Blue-emitting organic electroluminescent devices comprising an anode, a cathode, and a layer which contains an organic compound interposed between the anode and the cathode, the layer which contains an organic compound including at least a light-emitting layer are described in which the light-emitting

layer contains a bipolar host having a hole mobility and an electron mobility of ≥10-4 cm2/s, a light-emitting dopant, and a carrier trapping dopant, and the light-emitting dopant energy gap is less than the bipolar host energy gap which is in turn less than the carrier trapping dopant energy gap.

IT 693289-37-1 936759-90-9 955023-46-8 958265-13-9
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(blue-emitting organic electroluminescent devices)

IT 867151-19-7 942502-64-9
RL: TEM (Technical or engineered material use); USES (Uses)
(blue-emitting organic electroluminescent devices)

L21 ANSWER 2 OF 17 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2007:1177458 HCAPLUS
DN 147:469126
TI Preparation of bisanthracene derivatives as materials for organic electroluminescent devices
IN Kubota, Mineyuki
PA Idemitsu Kosan Co., Ltd., Japan
SO PCT Int. Appl., 51pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007116828	A1	20071018	WO 2007-JP57149	20070330
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	EP 2003107	A1	20081217	EP 2007-740585	20070330
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR				
	US 20070285009	A1	20071213	US 2007-695256	20070402
	KR 2008114784	A	20081231	KR 2008-724177	20081002
PRAI	JP 2006-102335	A	20060403		
	WO 2007-JP57149	W	20070330		

OS MARPAT 147:469126
AB Claimed are the title compds. I [L = naphthalene moiety represented by A1; Ar1, Ar2 = (un)substituted aromatic hydrocarbon group, (un)substituted fused aromatic hydrocarbon group; R1 - R16 = H, (un)substituted aromatic hydrocarbon group, (un)substituted aromatic heterocyclic group, etc.; R = (un)substituted alkyl, (un)substituted cycloalkyl, (un)substituted alkoxy, etc.; m, n = integer of 0 - 5; m+n = integer of 1 - 5; p, q = integer of 0 - 5; p+q = integer of 1 - 5; r, s = integer of 0 - 4; t = integer of 0 - 6; for m, n, p, q, r, s, and t > 1, L moieties and R substituents may be the same or different]. Thus, the title compound II (Ph = phenyl) was prepared in several steps starting from p-dibromobenzene. An organic electroluminescent device containing II showed a brightness half-life of 9100 h, vs. a half-life of 3600 h for a comparison device.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 7439-93-2, Lithium, uses 107984-01-0 164724-35-0 172285-75-5
209980-53-0 462631-35-2 669016-16-4 693289-38-2
850064-02-7 952604-32-9 952604-33-0 952604-34-1 952604-35-2

RL: TEM (Technical or engineered material use); USES (Uses)
(preparation of bisanthracene derivs. as materials for organic electroluminescent devices)

L21 ANSWER 3 OF 17 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2007:330191 HCAPLUS
DN 146:326163
TI Pyrene derivative and organic electroluminescence device
IN Ito, Mitsunori; Kubota, Mineyuki; Funahashi, Masakazu
PA Idemitsu Kosan Co., Ltd., Japan
SO PCT Int. Appl., 92pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007032162	A1	20070322	WO 2006-JP315687	20060808
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	EP 1932895	A1	20080618	EP 2006-782513	20060808
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	KR 2008052594	A	20080611	KR 2008-706391	20080314
	CN 101268167	A	20080917	CN 2006-80034089	20080317
PRAI	JP 2005-270664	A	20050916		
	WO 2006-JP315687	W	20060808		

AB An organic electroluminescence device comprising a neg. electrode and a pos. electrode and one or two or more organic thin-film layers including at least a light emitting layer, wherein the light emitting layer contains a pyrene derivative AkXmArnYoBp [X = (un)substituted pyrene; A,B = H, (un)substituted C6-50 aromatic hydrocarbon, (un)substituted C5-50 aromatic heterocycle or (un)substituted C1-30 (un)saturated alkylene; Ar = (un)substituted C6-50 aromatic hydrocarbon or (un)substituted C5-50 aromatic heterocycle; Y = (un)substituted C1-50 condensed ring or condensed heterocycle; k, o, p = 0 - 10, m = 1 - 10, n > 3] and an amine compound Y1(Y2)NPq(NY3(Y4))r [P = (un)substituted C6-40 aromatic hydrocarbon, (un)substituted C3-40 heterocycle, (un)substituted styryl or (un)substituted C10-40 condensed aromatic; Y1-4 = (un)substituted alkylene, aralkylene, alkenylene, amino or silyl, (un)substituted arylene or unsubstituted carbonyl or ether or thio ester containing divalent heterocycle chains; q = 1 - 20, r = 0 - 3]. The organic electroluminescence device excels in heat resistance, ensuring prolonged operating life and high luminous efficiency, and is capable of emitting blue, green and red lights.

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 228871-85-0 462631-35-2 494834-20-7 669059-30-7
693289-38-2 918654-82-7 918654-86-1 918654-91-8
928760-05-8 928760-06-9
RL: TEM (Technical or engineered material use); USES (Uses)
(pyrene derivative and organic electroluminescence device)

L21 ANSWER 4 OF 17 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2007:329265 HCAPLUS

DN 146:347149
TI Asymmetric fluorene derivative and organic electroluminescent element containing the same
IN Ito, Mitsunori; Kubota, Mineyuki; Funahashi, Masakazu
PA Idemitsu Kosan Co., Ltd., Japan
SO PCT Int. Appl., 91pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007032161	A1	20070322	WO 2006-JP315643	20060808
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	EP 1926159	A1	20080528	EP 2006-782469	20060808
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	KR 2008052589	A	20080611	KR 2008-706136	20080313
	IN 2008CN01270	A	20081128	IN 2008-CN1270	20080314
	CN 101268567	A	20080917	CN 2006-80034222	20080317
PRAI	JP 2005-268968	A	20050915		
	WO 2006-JP315643	W	20060808		

AB The invention refers to an organic electroluminescent element which comprises a cathode and an anode and, sandwiched there between, one or more thin organic layers comprising a luminescent layer, wherein at least one of the thin organic layers comprises an asym. fluorene derivative compound Ar1kAFL1kBFL2nCAr2p [Ar1,2 = (un)substituted C6-50 aromatic hydrocarbon or heterocycle; A,B,C = single bond, (un)substituted alkylene, aralkylene, arylene or heteroatom, or alkylene, aralkylene alkynyl, amino, silyl, carbonyl ether or thioether having (un)substituted arylene or divalent heterocycle; FL1,2 = (un)substituted fluorenediyl; k, p = 0 - 10, k + p ≥ 1; m,n = 1 - 10, m + n ≥ 1] and an amine compound Y1Y2NPq(NY3Y4)r [P = (un)substituted C6-40 aromatic hydrocarbon, C3-40 heterocycle, styryl, or (un)substituted C10.40 condensed aromatic]. This organic electroluminescent element has excellent heat resistance and a long life and can emit any of blue, green, and red lights at a high luminescent efficiency.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 228871-85-0 462631-35-2 494834-20-7 669059-30-7
693289-38-2 872050-48-1 872050-49-2 928760-05-8
928760-06-9
RL: TEM (Technical or engineered material use); USES (Uses)
(asym. fluorene derivative and organic electroluminescent element containing the
same)

L21 ANSWER 5 OF 17 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2006:656144 HCAPLUS
DN 145:115194
TI Luminescent ink composition for organic electroluminescent device
IN Inoue, Tetsuya; Kondo, Hirofumi; Ikeda, Hidetsugu
PA Idemitsu Kosan Co., Ltd., Japan
SO PCT Int. Appl., 66 pp.

CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006070712	A1	20060706	WO 2005-JP23712	20051226

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

US 20080001123	A1	20080103	US 2007-813062	20070628
PRAI JP 2004-380642	A	20041228		
WO 2005-JP23712	W	20051226		

OS MARPAT 145:115194
AB Disclosed is a luminescent ink composition for organic EL devices which contains a low-mol. weight material of high solubility and can be easily formed into a thin film by a wet process. This ink composition enables to form an organic thin film using a luminescent low-mol. weight material with high productivity by a wet process. Specifically disclosed is a luminescent ink composition for organic electroluminescent devices which is composed of the following components (A), (B) and (C): (A) an anthracene derivative, (B) a fused aromatic ring compound having a substituted arylamino group and/or a styryl derivative having a substituted arylamino group (C) an organic solvent.
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT 2085-33-8, Tris(8-quinolinolato)aluminum 55035-42-2 312497-12-4 663954-33-4 667940-34-3 667940-36-5 693289-37-1 853945-27-4 853945-29-6 853945-36-5 855828-33-0 896457-49-1
RL: DEV (Device component use); USES (Uses)
(luminescent ink compns. for organic electroluminescent devices)

L21 ANSWER 6 OF 17 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2006:463243 HCAPLUS
DN 144:479288
TI Organic electroluminescent element
IN Funahashi, Masakazu; Ito, Mitsunori; Kawamura, Hisayuki
PA Idemitsu Kosan Co., Ltd., Japan
SO PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006051649	A1	20060518	WO 2005-JP16749	20050912

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

	JP 2006140235	A	20060601	JP 2004-327019	20041110
	EP 1811585	A1	20070725	EP 2005-782401	20050912
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	CN 101057348	A	20071017	CN 2005-80038089	20050912
	US 20060110623	A1	20060525	US 2005-269661	20051109
	KR 2007084110	A	20070824	KR 2007-710523	20070509
	IN 2007CN02009	A	20070907	IN 2007-CN2009	20070510
PRAI	JP 2004-327019	A	20041110		
	WO 2005-JP16749	W	20050912		

OS MARPAT 144:479288

AB An organic electroluminescent element which has excellent heat resistance, a long life, and a high luminescent efficiency and can emit a blue to red light. The organic electroluminescent element comprises a cathode, an anode, and an organic thin film sandwiched there-between which comprises one or more layers at least including a luminescent layer, the luminescent layer comprising a fluorene compound having a specific structure and an amine compound having a specific structure.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 607739-80-0 607739-82-2 872705-53-8 872705-55-0
886456-80-0 886456-81-1 886456-82-2, 1,2':7',1''-Terpyrene
886456-89-9
RL: DEV (Device component use); USES (Uses)
(organic electroluminescent devices having excellent heat resistance)

IT 177799-15-4 279672-22-9 462631-35-2 494834-20-7
693289-38-2 886456-83-3 886456-84-4 886456-85-5
886456-88-8
RL: MOA (Modifier or additive use); USES (Uses)
(organic electroluminescent devices having excellent heat resistance)

L21 ANSWER 7 OF 17 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:1328598 HCAPLUS
DN 144:60767
TI Anthracene derivatives and organic electroluminescent device using them
IN Kubota, Mineyuki; Funahashi, Masakazu; Hosokawa, Chishio
PA Idemitsu Kosan Co., Ltd., Japan
SO PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005121057	A1	20051222	WO 2005-JP9168	20050519
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CN 1842509	A	20061004	CN 2005-80001004	20050519
EP 1754696	A1	20070221	EP 2005-741491	20050519
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				

IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

	US 20060154076	A1	20060713	US 2005-282818	20051121
	KR 2007029107	A	20070313	KR 2006-706239	20060330
	IN 2006CN01094	A	20070817	IN 2006-CN1094	20060330
PRAI	JP 2004-171660	A	20040609		
	WO 2005-JP9168	W	20050519		

OS MARPAT 144:60767

AB Disclosed is an anthracene derivative having a specific asym. structure. Also disclosed is an organic electroluminescent device wherein an organic thin film layer composed of one or more layers including at least a light-emitting layer is interposed between a cathode and an anode and at least one layer of the organic thin film layer contains the anthracene derivative of a specific structure by itself or as a component of a mixture By using such an anthracene derivative, there can be realized an organic electroluminescent device having a high color purity and a long life.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 2085-33-8, Alq3 164724-35-0 209980-53-0 462631-35-2
669016-16-4 693289-38-2
RL: DEV (Device component use); USES (Uses)
(anthracene derivative and organic electroluminescent device using them)

L21 ANSWER 8 OF 17 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2000:457176 HCAPLUS
DN 133:81385
TI Organic electroluminescent devices
IN Hosokawa, Chishio; Funehashi, Masakazu; Kawamura, Hisayuki; Arai, Hiromasa; Koga, Hidetoshi; Ikeda, Hidetsugu
PA Idemitsu Kosan Co., Ltd., Japan
SO PCT Int. Appl., 167 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000039247	A1	20000706	WO 1999-JP7390	19991228
	W: CN, KR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 2001052868	A	20010223	JP 1999-223056	19990805
	JP 2001131541	A	20010515	JP 1999-347848	19991207
	JP 4117093	B2	20080709		
	EP 1061112	A1	20001220	EP 1999-961465	19991228
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	CN 1219747	C	20050921	CN 1999-803419	19991228
	CN 1721499	A	20060118	CN 2005-10084528	19991228
	EP 1666561	A1	20060607	EP 2006-110875	19991228
	R: DE, FR, GB				
	EP 1775335	A2	20070418	EP 2007-100259	19991228
	EP 1775335	A3	20080227		
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
	US 6743948	B1	20040601	US 2000-623057	20000825
	US 20030072966	A1	20030417	US 2002-179179	20020626
	US 6951693	B2	20051004		
	US 20050038296	A1	20050217	US 2004-814121	20040401
	US 20060189828	A1	20060824	US 2006-344604	20060201
	KR 2006061856	A	20060608	KR 2006-707392	20060417
	KR 2006063987	A	20060612	KR 2006-707393	20060417
	KR 743337	B1	20070726	KR 2006-718289	20060907
	US 20070142671	A1	20070621	US 2007-624255	20070118

```
     KR 2007032047          A      20070320    KR 2007-702875          20070205
     KR 785570              B1     20071213
     KR 835021              B1     20080603    KR 2007-713672          20070615
     KR 2007112893          A      20071127    KR 2007-725201          20071030
     KR 869622              B1     20081121
     JP 2008223026          A      20080925    JP 2008-64481           20080313
     JP 2008239988          A      20081009    JP 2008-64474           20080313
     KR 2008064208          A      20080708    KR 2008-715376          20080624
     KR 869615              B1     20081121
PRAI JP 1998-373921         A      19981228
     JP 1999-140103         A      19990520
     JP 1999-223056         A      19990805
     JP 1999-234652         A      19990820
     JP 1999-347848         A      19991207
     CN 1999-803419         A3     19991228
     EP 1999-961465         A3     19991228
     WO 1999-JP7390         W      19991228
     KR 2000-709371         A3     20000824
     US 2000-623057         A3     20000825
     US 2004-814121         B1     20040401
     US 2006-344604         B1     20060201
     KR 2006-707392         A3     20060417
     KR 2006-718289         A3     20060907
     KR 2007-702875         A3     20070205
     KR 2007-713672         A3     20070615
     KR 2007-725201         A3     20071030
OS   MARPAT 133:81385
AB   The devices having a high luminescent efficiency, a long life and a high
     heat resistance comprise I ( A = (substituted) C22-60 arylene; X1-4 =
     (substituted) C6-30 arylene; Y1-4 = II; a-d = 0-2; R1-4 = H, (substituted)
     alkyl, (substituted) aryl, cyano; R3 may be bonded to R4 to form a triple
     bond; Z = (substituted) aryl; n = 0, 1).
RE.CNT  16    THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT   2085-33-8, Tris(8-quinolinolato)aluminum   12789-79-6   50926-11-9, ITO
     65181-78-4, TPD   142289-08-5, 4,4'-Bis(2,2-diphenylvinyl)biphenyl
     177799-11-0   181367-28-2   186412-15-7   205930-46-7   221453-38-9
     226086-76-6   239475-90-2   279671-24-8   279671-53-3   279671-54-4
     279671-56-6   279671-57-7   279672-13-8   279672-14-9   279672-15-0
     279672-16-1   279672-17-2 279672-18-3   279672-19-4
     279672-20-7 279672-21-8 279672-22-9   279672-23-0
     279672-24-1 279672-25-2   279672-27-4   279672-30-9
     279672-32-1   279672-34-3   279672-35-4   279672-37-6   279672-39-8
     279672-41-2   279672-42-3   279672-43-4   279672-44-5   279672-45-6
     279672-46-7   279672-47-8   279672-48-9   279672-49-0   279672-50-3
     279672-51-4   279672-52-5   279672-53-6   279672-54-7   279672-55-8
     279672-56-9   279672-57-0   279672-58-1
     RL: DEV (Device component use); USES (Uses)
        (organic electroluminescent devices)


=> d l21 9-17 bib ab

L21  ANSWER 9 OF 17  USPATFULL on STN
AN     2008:1957  USPATFULL
TI     Luminescent Ink Composition for Organic Electroluminescent Device
IN     Inoue, Tetsuya, Chiba, JAPAN
       Kondo, Hirofumi, Chiba, JAPAN
       Ikeda, Hidetsugu, Chiba, JAPAN
PA     IDEMITSU KOSAN CO., LTD, Chiyoda-ku, JAPAN, 100-8321 (non-U.S.
       corporation)
PI     US 20080001123       A1  20080103
AI     US 2005-813062       A1  20051226 (11)
       WO 2005-JP23712          20051226
                                20070628  PCT 371 date
```

PRAI JP 2004-380642 20041228
DT Utility
FS APPLICATION
LREP OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.CNT 1293
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A luminescent ink composition for an organic EL device which can form thin films by a wet process easily due to a high solubility of a low-molecular material is provided in order to form an organic thin film containing a luminescent low-molecular material by a wet method with a high productivity. A luminescent ink composition for an organic electroluminescent device comprising: (A) an anthracene derivative represented by the following formula (1); (B) a condensed aromatic ring compound substituted with an arylamino group and/or a styryl derivative substituted with an arylamino group; and (C) an organic solvent. ##STR1##

L21 ANSWER 10 OF 17 USPATFULL on STN
AN 2007:326508 USPATFULL
TI BISANTHRACENE DERIVATIVE AND ORGANIC ELECTROLUMINESCENCE DEVICE USING THE SAME
IN KUBOTA, Mineyuki, Chiba, JAPAN
PA Idemitsu Kosan Co., Ltd., Chiyoda-ku, JAPAN (non-U.S. corporation)
PI US 20070285009 A1 20071213
AI US 2007-695256 A1 20070402 (11)
PRAI JP 2006-102335 20060403
DT Utility
FS APPLICATION
LREP OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1500
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A bisanthracene derivative having a specific structure in which two anthracene groups are bonded via a bonding group composed of naphthylene group and p-phenylene group, and an organic electroluminescence device having an organic thin film layer, which has one layer or a plurality of layers including at least a light emitting layer, is disposed between a cathode and an anode and contains the bisanthracene derivatives singly or as a component of a mixture are provided. The electroluminescence device has a long life.

L21 ANSWER 11 OF 17 USPATFULL on STN
AN 2007:163114 USPATFULL
TI ORGANIC ELECTROLUMESCENCE DEVICE
IN Hosokawa, Chishio, Chiba-ken, JAPAN
Funahashi, Masakazu, Chiba-ken, JAPAN
Kawamura, Hisayuki, Chiba-ken, JAPAN
Arai, Hiromasa, Chiba-ken, JAPAN
Koga, Hidetoshi, Chiba-ken, JAPAN
Ikeda, Hidetsugu, Chiba-ken, JAPAN
PA Idemitsu Kosan Co., Ltd, Tokyo, JAPAN (non-U.S. corporation)
PI US 20070142671 A1 20070621
AI US 2007-624255 A1 20070118 (11)
RLI Continuation of Ser. No. US 2006-344604, filed on 1 Feb 2006, ABANDONED
Continuation of Ser. No. US 2004-814121, filed on 1 Apr 2004, ABANDONED
Division of Ser. No. US 2000-623057, filed on 25 Aug 2000, GRANTED, Pat. No. US 6743948 A 371 of International Ser. No. WO 1999-JP7390, filed on 28 Dec 1999

PRAI JP 1998-373921 19981228
JP 1999-140103 19990520
JP 1999-223056 19990805
JP 1999-234652 19990820
JP 1999-347848 19991207
DT Utility
FS APPLICATION
LREP OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 3057
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Materials for organic electroluminescence devices are represented by following general formula [1]: ##STR1##

wherein A represents a chrysene group, X.sup.1 to X.sup.4 each independently represent a substituted or unsubstituted arylene group having 6 to 30 carbon atoms, X.sup.1 and X.sup.2 may be bonded to each other, X.sup.3 and X.sup.4 may be bonded to each other, Y.sup.1 to Y.sup.4 each independently represent an organic group represented by general formula [2], a to d each represent an integer of 0 to 2 and, a+b+c+d≥0; general formula [2] being: ##STR2##
wherein R.sup.1 to R.sup.4 each independently represent hydrogen atom, a substituted or unsubstituted alkyl group having 1 to 20 carbon atoms, a substituted or unsubstituted aryl group having 6 to 20 carbon atoms, cyano group or form a triple bond by a linkage of R.sup.1 and R.sup.2 or R.sup.3 and R.sup.4, Z represents a substituted or unsubstituted aryl group having 6 to 20 carbon atoms and n represents 0 or 1.

L21 ANSWER 12 OF 17 USPATFULL on STN
AN 2006:222541 USPATFULL
TI Organic electrolumescence device
IN Hosokawa, Chishio, Chiba-ken, JAPAN
Funahashi, Masakazu, Chiba-ken, JAPAN
Kawamura, Hisayuki, Chiba-ken, JAPAN
Arai, Hiromasa, Chiba-ken, JAPAN
Koga, Hidetoshi, Chiba-ken, JAPAN
Ikeda, Hidetsugu, Chiba-ken, JAPAN
PA Idemitsu Kosan Co., Ltd., Tokyo, JAPAN (non-U.S. corporation)
PI US 20060189828 A1 20060824
AI US 2006-344604 A1 20060201 (11)
RLI Continuation of Ser. No. US 2004-814121, filed on 1 Apr 2004, ABANDONED Division of Ser. No. US 2000-623057, filed on 25 Aug 2000, GRANTED, Pat. No. US 6743948 A 371 of International Ser. No. WO 1999-JP7390, filed on 28 Dec 1999
PRAI JP 1998-373921 19981228
JP 1999-140103 19990520
JP 1999-223056 19990805
JP 1999-234652 19990820
JP 1999-347848 19991207
DT Utility
FS APPLICATION
LREP OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 3049
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Materials for organic electroluminescence devices are represented by following general formula [1]: ##STR1##

wherein A represents a chrysene group, X.sup.1 to X.sup.4 each independently

represent a substituted or unsubstituted arylene group having 6 to 30 carbon atoms, X.sup.1 and X.sup.2 may be bonded to each other, X.sup.3 and X.sup.4 may be bonded to each other, Y.sup.1 to Y.sup.4 each independently represent an organic group represented by general formula [2], a to d each represent an integer of 0 to 2 and, a+b+c+d≥0; general formula [2] being: ##STR2##
wherein R.sup.1 to R.sup.4 each independently represent hydrogen atom, a substituted or unsubstituted alkyl group having 1 to 20 carbon atoms, a substituted or unsubstituted aryl group having 6 to 20 carbon atoms, cyano group or form a triple bond by a linkage of R.sup.1 and R.sup.2 or R.sup.3 and R.sup.4, Z represents a substituted or unsubstituted aryl group having 6 to 20 carbon atoms and n represents 0 or 1.

L21 ANSWER 13 OF 17 USPATFULL on STN
AN 2006:181681 USPATFULL
TI Anthracene derivative and organic electroluminescence device employing the same
IN Kubota, Mineyuki, Chiba, JAPAN
Funahashi, Masakazu, Chiba, JAPAN
Hosokawa, Chishio, Chiba, JAPAN
PA Idemitsu Kosan Co., Ltd., Tokyo, JAPAN (non-U.S. corporation)
PI US 20060154076 A1 20060713
AI US 2005-282818 A1 20051121 (11)
RLI Continuation of Ser. No. WO 2005-JP9168, filed on 19 May 2005, UNKNOWN
PRAI JP 2004-171660 20040609
DT Utility
FS APPLICATION
LREP OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1480
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An anthracene derivative with a specified asynmetrical type structure. An organic electroluminescence device which comprises at least one organic thin film layer including a light emitting layer sandwiched between a pair of electrode consisting of an anode and a cathode, wherein at least one of the organic thin film layer comprises the anthracene derivative. An organic electroluminescence device which emits blue light of enhanced purity and has a long lifetime is provided.

L21 ANSWER 14 OF 17 USPATFULL on STN
AN 2006:130985 USPATFULL
TI Organic electroluminescence devices
IN Funahashi, Masakazu, Chiba, JAPAN
Ito, Mitsunori, Chiba, JAPAN
Kawamura, Hisayuki, Chiba, JAPAN
PA Idemitsu Kosan Co., LTD., Chiyoda-ku, JAPAN (non-U.S. corporation)
PI US 20060110623 A1 20060525
AI US 2005-269661 A1 20051109 (11)
PRAI JP 2004-327019 20041110
DT Utility
FS APPLICATION
LREP STEPTOE & JOHNSON LLP, 1330 CONNECTICUT AVENUE, N.W., WASHINGTON, DC, 20036, US
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1644
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An organic electro-luminescent device exhibiting an excellent heat resistance, a long serving life and a great efficiency of light emission and producing a light emission ranging from a blue light to a red light. The organic electroluminescent device comprising one or more thin-film

layers which contain at least a light emitting layer and are interposed between a cathode and an anode, wherein the light emitting layer contains an amine compound represented by any of the following general formula (A) and a fluorene-based compound represented by any of the following general formula (B).

L21 ANSWER 15 OF 17 USPATFULL on STN
AN 2005:44562 USPATFULL
TI Organic electrolumescence device
IN Hosokawa, Chishio, Chiba-ken, JAPAN
Funahashi, Masakazu, Chiba-ken, JAPAN
Kawamura, Hisayuki, Chiba-ken, JAPAN
Arai, Hiromasa, Chiba-ken, JAPAN
Koga, Hidetoshi, Chiba-ken, JAPAN
Ikeda, Hidetsugu, Chiba-ken, JAPAN
PA Idemitsu Kosan Co., Ltd., Tokyo, JAPAN (non-U.S. corporation)
PI US 20050038296 A1 20050217
AI US 2004-814121 A1 20040401 (10)
RLI Division of Ser. No. US 2000-623057, filed on 25 Aug 2000, GRANTED, Pat. No. US 6743948 A 371 of International Ser. No. WO 1999-JP7390, filed on 28 Dec 1999, UNKNOWN
PRAI JP 1998-373921 19981228
JP 1999-140103 19990520
JP 1999-223056 19990805
JP 1999-234652 19990820
JP 1999-347848 19991207
DT Utility
FS APPLICATION
LREP OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314
CLMN Number of Claims: 10
ECL Exemplary Claim: CLM-01-23
DRWN 3 Drawing Page(s)
LN.CNT 3123
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Materials for organic electroluminescence devices are represented by following general formula [1]:

general formula [1] ##STR1##

wherein A represents a chrysene group X.sup.1 to X.sup.4 each independently represent a substituted or unsubstituted arylene group having 6 to 30 carbon atoms, X.sup.1 and X.sup.2 may be bonded to each other, X.sup.3 and X.sup.4 may be bonded to each other, Y.sup.1 to Y.sup.4 each independently represent an organic group represented by general formula [2], a to d each represent an integer of 0 to 2 and, a+b+c+d≥0;

general formula [2] being:

general formula [2] ##STR2##

wherein R.sup.1 to R.sup.4 each independently represent hydrogen atom, a substituted or unsubstituted alkyl group having 1 to 20 carbon atoms, a substituted or unsubstituted aryl group having 6 to 20 carbon atoms, cyano group or form a triple bond by a linkage of R.sup.1 and R.sup.2 or R.sup.3 and R.sup.4, Z represents a substituted or unsubstituted aryl group having 6 to 20 carbon atoms and n represents 0 or 1.

L21 ANSWER 16 OF 17 USPATFULL on STN
AN 2004:135758 USPATFULL
TI Organic electroluminescent device
IN Hosokawa, Chishio, Chiba-ken, JAPAN
Funahashi, Masakazu, Chiba-ken, JAPAN
Kawamura, Hisayuki, Chiba-ken, JAPAN

Arai, Hiromasa, Chiba-ken, JAPAN
Koga, Hidetoshi, Chiba-ken, JAPAN
Ikeda, Hidetsugu, Chiba-ken, JAPAN
PA Idemitsu Kosan Co., Ltd., Tokyo, JAPAN (non-U.S. corporation)
PI US 6743948 B1 20040601
WO 2000039247 20000706
AI US 2000-623057 20000825 (9)
WO 1999-JP7390 19991228
PRAI JP 1998-373921 19981228
JP 1999-140103 19990520
JP 1999-223056 19990805
JP 1999-234652 19990820
JP 1999-347848 19991207
DT Utility
FS GRANTED
EXNAM Primary Examiner: Yamnitzky, Marie
LREP Oblon, Spivak, McClelland, Maier & Neustadt, P.C.
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 3006
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Materials for organic electroluminescence devices are represented by following general formula [1]: ##STR1##

wherein B represents a substituted or unsubstituted arylene group having 6 to 60 carbon atoms, X.sup.1 to X.sup.4 each independently represent a substituted or unsubstituted arylene group having 6 to 30 carbon atoms, X.sup.1 and X.sup.2 may be bonded to each other, X.sup.3 and X.sup.4 may be bonded to each other, Y.sup.1 to Y.sup.4 each independently represent an organic group represented by general formula [2], a to d each represent an integer of 0 to 2 and, when the arylene group represented by B has 26 or less carbon atoms, a+b+c+d>0 and at least one of the groups represented by B, X.sup.1, X.sup.2, X.sup.3 and X.sup.4 has a chrysene nucleus; general formula [2] being: ##STR2##

L21 ANSWER 17 OF 17 USPATFULL on STN
AN 2003:106055 USPATFULL
TI Organic electrolumescence device
IN Hosokawa, Chishio, Chiba-ken, JAPAN
Funahashi, Masakazu, Chiba-ken, JAPAN
Kawamura, Hisayuki, Chiba-ken, JAPAN
Arai, Hiromasa, Chiba-ken, JAPAN
Koga, Hidetoshi, Chiba-ken, JAPAN
Ikeda, Hidetsugu, Chiba-ken, JAPAN
PA Idemitsu Kosan Co., Ltd., Tokyo, JAPAN (non-U.S. corporation)
PI US 20030072966 A1 20030417
US 6951693 B2 20051004
AI US 2002-179179 A1 20020626 (10)
RLI Division of Ser. No. US 2000-623057, filed on 25 Aug 2000, PENDING A 371 of International Ser. No. WO 1999-JP7390, filed on 28 Dec 1999, UNKNOWN
PRAI JP 1998-373921 19981228
JP 1999-140103 19990520
JP 1999-223056 19990805
JP 1999-234652 19990820
JP 1999-347848 19991212
DT Utility
FS APPLICATION
LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 3316
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Materials for organic electroluminescence devices and organic electroluminescence devices which exhibit high efficiency of light emission and have a long life and excellent heat resistance, novel compounds and processes for producing the materials for organic electroluminescence devices are provided.

The material for organic electroluminescence devices is represented by following general formula [1]:

general formula [1] ##STR1##

wherein A represents a substituted or unsubstituted arylene group having 22 to 60 carbon atoms, X.sup.1 to X.sup.4 each independently represent a substituted or unsubstituted arylene group having 6 to 30 carbon atoms, X.sup.1 and X.sup.2 may be bonded to each other, X.sup.3 and X.sup.4 may be bonded to each other, Y.sup.1 to Y.sup.4 each independently represent an organic group represented by general formula [2], a to d each represent an integer of 0 to 2 and, when the arylene group represented by A has 26 or less carbon atoms, a+b+c+d>0 and the arylene group does not contain two or more anthracene nucleus; general formula [2] being:

general formula [2] ##STR2##

wherein R.sup.1 to R.sup.4 each independently represent hydrogen atom, a substituted or unsubstituted alkyl group having 1 to 20 carbon atoms, a substituted or unsubstituted aryl group having 6 to 20 carbon atoms, cyano group or form a triple bond by a linkage of R.sup.1 and R.sup.2 or R.sup.3 and R.sup.4, Z represents a substituted or unsubstituted aryl group having 6 to 20 carbon atoms and n represents 0 or 1.

=> dis his

(FILE 'HOME' ENTERED AT 13:20:06 ON 06 JAN 2009)

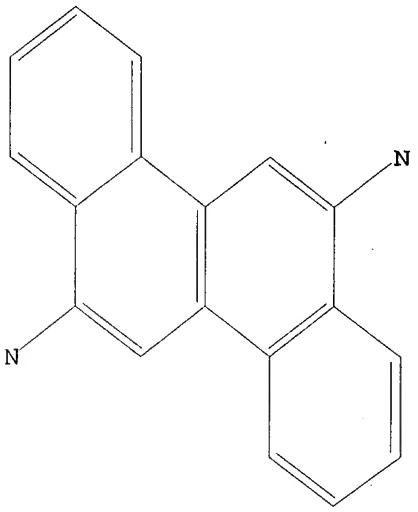
FILE 'REGISTRY' ENTERED AT 13:20:14 ON 06 JAN 2009

L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 STRUCTURE UPLOADED
L4 STRUCTURE UPLOADED
L5 144 S L1 SSS FUL
L6 2092 S L2 SSS FUL
L7 3224 S L3 SSS FUL
L8 3345 POLYLINK L7
L9 97 S L4 SSS FUL
L10 97 POLYLINK L9

FILE 'HCAPLUS, USPATFULL' ENTERED AT 13:23:50 ON 06 JAN 2009
FILE 'HCAPLUS'
L11 4 S L5 AND L6
FILE 'USPATFULL'
L12 6 S L5 AND L6
TOTAL FOR ALL FILES
L13 10 S L5 AND L6
FILE 'HCAPLUS'
L14 8 S L5 AND L8
FILE 'USPATFULL'
L15 10 S L5 AND L8
TOTAL FOR ALL FILES
L16 18 S L5 AND L8
FILE 'HCAPLUS'
L17 0 S L5 AND L10
FILE 'USPATFULL'
L18 0 S L5 AND L10
TOTAL FOR ALL FILES

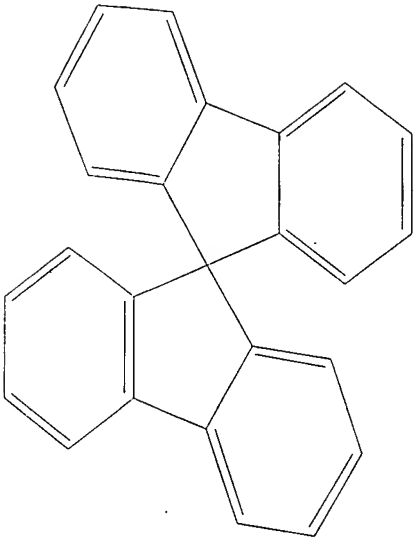
```
L19             0 S L5 AND L10
L20            10 DUP REMOVE L13 (0 DUPLICATES REMOVED)
L21            17 DUP REMOVE L16 (1 DUPLICATE REMOVED)

=> log h
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                       206.02    1015.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                        -9.84      -9.84

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:27:18 ON 06 JAN 2009

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:ssptabac1774

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'HCAPLUS, USPATFULL' AT 13:30:05 ON 06 JAN 2009
FILE 'HCAPLUS' ENTERED AT 13:30:05 ON 06 JAN 2009
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)
FILE 'USPATFULL' ENTERED AT 13:30:05 ON 06 JAN 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                       206.02    1015.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                        -9.84      -9.84

=> d l1,l2,l3,l4
L2 IS NOT VALID HERE
For an explanation, enter "HELP DISPLAY".

=> d his

     (FILE 'HOME' ENTERED AT 13:20:06 ON 06 JAN 2009)

     FILE 'REGISTRY' ENTERED AT 13:20:14 ON 06 JAN 2009
L1                STRUCTURE UPLOADED
L2                STRUCTURE UPLOADED
L3                STRUCTURE UPLOADED
L4                STRUCTURE UPLOADED
L5              144 S L1 SSS FUL
L6             2092 S L2 SSS FUL
L7             3224 S L3 SSS FUL
L8             3345 POLYLINK L7
L9               97 S L4 SSS FUL
L10              97 POLYLINK L9

     FILE 'HCAPLUS, USPATFULL' ENTERED AT 13:23:50 ON 06 JAN 2009
     FILE 'HCAPLUS'
L11               4 S L5 AND L6
     FILE 'USPATFULL'
```

```
L12             6 S L5 AND L6
     TOTAL FOR ALL FILES
L13            10 S L5 AND L6
     FILE 'HCAPLUS'
L14             8 S L5 AND L8
     FILE 'USPATFULL'
L15            10 S L5 AND L8
     TOTAL FOR ALL FILES
L16            18 S L5 AND L8
     FILE 'HCAPLUS'
L17             0 S L5 AND L10
     FILE 'USPATFULL'
L18             0 S L5 AND L10
     TOTAL FOR ALL FILES
L19             0 S L5 AND L10
L20            10 DUP REMOVE L13 (0 DUPLICATES REMOVED)
L21            17 DUP REMOVE L16 (1 DUPLICATE REMOVED)

=> d l1
L1 HAS NO ANSWERS
L1                STR
```



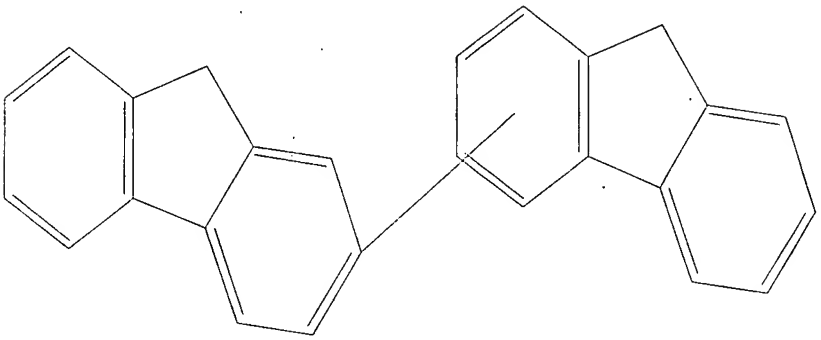
Structure attributes must be viewed using STN Express query preparation.

```
=> d l2
L2 HAS NO ANSWERS
L2                STR
```



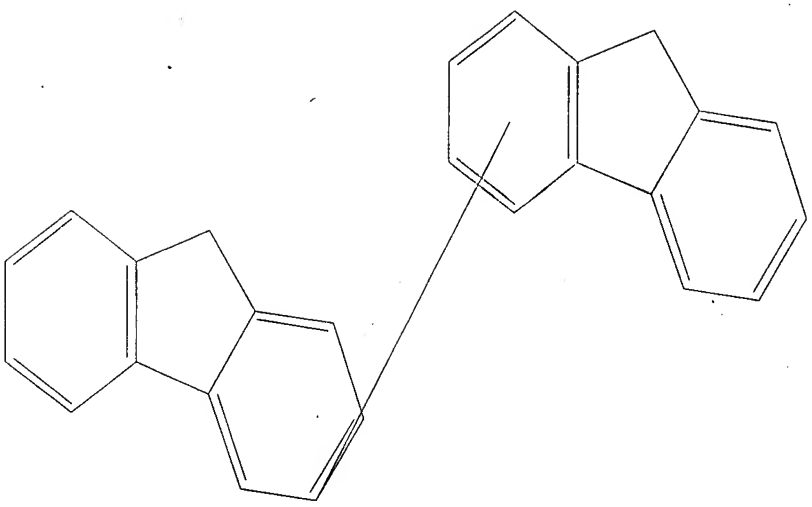
Structure attributes must be viewed using STN Express query preparation.

=> d l3
L3 HAS NO ANSWERS
L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> d l4
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	210.40	1019.95

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-9.84	-9.84

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:30:53 ON 06 JAN 2009